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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jianyi Zhang  
Serial No. : 10/560,274  
Filed : October 31, 2006  
Title : DIRECTING CELLS TO TARGET TISSUES OR ORGANS

Art Unit : 3737  
Examiner : Unknown  
Conf. No. : 3474

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

The following correspondence relating to this application is enclosed for filing:


1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (2 pages);
3. Copies of cited references (25 references); and
4. A return postcard.

Please date stamp and return the enclosed postcard. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

December 22, 2006

  
M. Angela Parsons, Ph.D.  
Reg. No. 44,282

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 22, 2006

Date of Deposit

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Lisa M. Becker

Typed or Printed Name of Person Signing Certificate



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INFORMATION DISCLOSURE STATEMENT

Applicant requests consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. §1.98(a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

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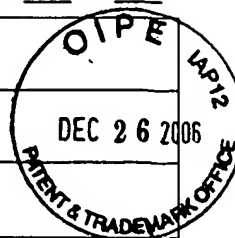
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Signature

Lisa M. Becker

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 09531-144US1	Application No. 10/560,274
	Applicant Jianyi Zhang			
	Filing Date October 31, 2006		Group Art Unit 3737	



U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,951,675	08/28/90	Groman et al.			
	AB	2003/0039611	02/27/03	Jordan			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AD	Asahara et al., "Bone Marrow Origin of Endothelial Progenitor Cells Responsible for Postnatal Vasculogenesis in Physiological and Pathological Neovascularization," <u>Circ. Res.</u> , 1999, 85:221-228
	AE	Caravan et al., "Gadolinium(III) Chelates as MRI Contrast Agents: Structure, Dynamics, and Applications," <u>Chem. Rev.</u> , 1999, 99:2293-2352
	AF	Ferrari et al., "Muscle Regeneration by Bone Marrow-Derived Myogenic Progenitors," <u>Science</u> , 1998, 279:1528-1530
	AG	Grossman et al., "Wall Stress and Patterns of Hypertrophy in the Human Left Ventricle," <u>J. Clin. Invest.</u> , 1975, 56:56-64
	AH	Gussoni et al., "Dystrophin expression in the <i>mdx</i> mouse restored by stem cell transplantation," <u>Nature</u> , 1999, 401:390-394
	AI	Jackson et al., "Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells," <u>J. Clin. Invest.</u> , 2001, 107(11):1395-1402
	AJ	Kim et al., "Relationship of MRI Delayed Contrast Enhancement to Irreversible Injury, Infarct Age, and Contractile Function," <u>Circulation</u> , 1999, 100:1992-2002
	AK	Krause et al., "Multi-Organ, Multi-Lineage Engraftment by a Single Bone Marrow-Derived Stem Cell," <u>Cell</u> , 2001, 105:369-377
	AL	Lauffer, "Paramagnetic Metal Complexes as Water Proton Relaxation Agents for NMR Imaging: Theory and Design," <u>Chem. Rev.</u> , 1987, 87:901-927
	AM	Lin et al., "Origins of circulating endothelial cells and endothelial outgrowth from blood," <u>J. Clin. Invest.</u> , 2000, 105:71-77
	AN	Narula et al., "Annexin V imaging for noninvasive detection of cardiac allograft rejection," <u>Nature Medicine</u> , 2001, 7(12):1347-1352
	AO	Okamoto et al., "Damaged epithelia regenerated by bone marrow-derived cells in the human gastrointestinal tract," <u>Nature Medicine</u> , 2002, 8(9):1011-1017
	AP	Orlic et al. "Bone marrow cells regenerate infarcted myocardium," <u>Nature</u> , 2001, 410:701-705
	AQ	Petrov et al., "Sarcolemmal phosphatidylserine expression in ischemic myocardial syndromes can be detected by Tc-99m annexinV imaging," <u>Circulation</u> , 2000, 102:545
	AR	Tait and Gibson, "Measurement of membrane phospholipid asymmetry in normal and sickle-cell erythrocytes by means of annexin V binding," <u>J. Lab. Clin. Med.</u> , 1994, 123:741-748

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09531-144US1	Application No. 10/560,274
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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AS	Takahashi et al., "Ischemia- and cytokine-induced mobilization of bone marrow-derived endothelial progenitor cells for neovascularization," <u>Nat. Med.</u> , 1999, 5(4):434-438
	AT	Tomita et al., "Autologous Transplantation of Bone Marrow Cells Improves Damaged Heart Function," <u>Circulation</u> , 1999, 100(suppl II):II-247-II-256
	AU	Tomita et al., "Improved heart function with myogenesis and angiogenesis after autologous porcine bone marrow stromal cell transplantation," <u>J. Thoracic Cardiovasc. Surg.</u> , 2002, 123(6):1132-1140
	AV	Verhoven et al., "Mechanisms of Phosphatidylserine Exposure, A Phagocyte Recognition Signal, on Apoptotic T Lymphocytes," <u>J. Exp. Med.</u> , 1995, 182:1597-1601
	AW	Vermes et al., "A novel assay for apoptosis Flow cytometric detection of phosphatidylserine expression on early apoptotic cells using fluorescein labeled Annexin V," <u>J. Immunol. Meth.</u> , 1995, 184:39-51
	AX	Wang et al., "Kinetics of Liver Repopulation after Bone Marrow Transplantation," <u>Am. J. Pathol.</u> , 2002, 161:565-574
	AY	Wang et al., "Cell fusion is the principal source of bone-marrow-derived hepatocytes," <u>Nature</u> , 2003, 422:897-901
	AZ	Zhang and McDonald, "Bioenergetic Consequences of Left Ventricular Remodeling," <u>Circulation</u> , 1995, 92:1011-1019
	AAA	Zhang et al., "Functional and Bioenergetic Consequences of Postinfarction Left Ventricular Remodeling in a New Porcine Model," <u>Circulation</u> , 1996, 94:1089-1100
	ABB	Zhang et al., "Myocardial oxygenation and high-energy phosphate levels during graded coronary hypoperfusion," <u>Am. J. Physiol. Heart Circ. Physiol.</u> , 2001, 280:H318-H326

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	